## Contents

### 1 Introduction to Oracle WebCenter 11g
- Objectives 1-2
- Oracle Fusion Middleware 1-3
- Oracle WebCenter 11g 1-4
- Key Benefits of Oracle WebCenter 1-5
- Oracle WebCenter Components 1-7
- Oracle WebCenter Components: Overview 1-9
- WebCenter Framework 1-10
- WebCenter Services 1-11
- WebCenter Services: List of Services 1-12
- WebCenter Composer 1-14
- WebCenter Applications 1-15
- WebCenter Spaces 1-16
- WebCenter Deployment Architecture 1-18
- Portlets 1-19
- Metadata Services 1-20
- Content Integration 1-21
- WebCenter Services 1-22
- Search Service 1-23
- Identity and Permission Management 1-24
- WebCenter Deployment Architecture 1-25
- Course Environment 1-26
- Introducing the Course Application 1-28
- Course Application: Services Tab 1-30
- Course Application: Personal Tab 1-31
- Summary 1-32

### 2 Overview of the Initial Application
- Objectives 2-2
- Introducing the Initial Application 2-3
- Defining the Goal 2-5
- Demo 2-6
- What Is in the Initial Application? 2-7
- Using a Page Template 2-8
- Facets of the Page Template 2-9
- How the Facets Render at Run Time 2-10
- Designing the User Interface 2-11
- Page Layout of the Template 2-12
- Task Flows 2-13
Creating Portlets  3-28
JSF Portlet Bridge  3-29
Summary  3-30
Practice 3 Overview: Adding a Portlet to the Page  3-31

4 WebCenter Services
Objectives  4-2
WebCenter Services  4-3
Categories of Services  4-4
Anatomy of a Service  4-5
How to Use a WebCenter Service: Overview  4-6
How to Use a WebCenter Service: Define a Connection  4-7
How to Use a WebCenter Service: Task Flow or JSF View Tag  4-8
Overview of the Individual Services  4-9
Documents Service  4-10
Document Library Task Flow  4-11
Discussions Service  4-15
Discussion Forums Task Flow  4-16
Tags Service  4-18
Tags Service Task Flows  4-19
Tag Center  4-20
Links Service  4-21
Linking Items  4-22
Search Service  4-23
Search Service Architecture  4-24
Search Toolbar Task Flow  4-25
Search Task Flow  4-26
Wiki Service  4-27
Blog Service  4-28
Instant Messaging and Presence Service  4-29
Announcements Service  4-30
RSS Service  4-31
Mail Service  4-32
Worklist Service  4-33
Recent Activities Service  4-34
Demo  4-35
Summary  4-36
Practice 4 Overview: Testing Services in the Completed Application  4-37

5 Integrating Services into Custom Applications
Objectives  5-2
Task Flows or JSF View Tags  5-3
Defining a Content Repository Connection  5-4
Defining a Discussions Connection  5-5
Defining a WebCenter Database Connection  5-6
Integrating Content    7-9
1. Standard API for Accessing CRs    7-10
2. Connection to the Content Repository    7-12
Creating a Content Repository Connection    7-13
3. Data Control or Custom Code    7-14
Content Repository Data Control Methods    7-15
Creating a Content Repository Data Control    7-16
4. Bindings to ADF View Components    7-17
How the Examples Were Created: Document Properties    7-18
How the Examples Were Created: Show HTML In-line    7-19
How the Examples Were Created: Thumbnail Images    7-20
Summary    7-21
Practice 7 Overview: Pop-Up Help Using CR DataControl    7-22

8 Overview of WebCenter Spaces
Objectives    8-2
Oracle WebCenter Spaces    8-3
WebCenter Spaces Key Benefits    8-4
Oracle WebCenter Spaces    8-5
What Is WebCenter Spaces?    8-6
Personal Space    8-8
Business Role Pages    8-9
Group Spaces for Team Sites    8-10
Group Space Templates    8-11
Using Oracle Composer    8-12
Editing a Page with Oracle Composer    8-13
Additional Features in WebCenter Spaces    8-14
Favorites and User Profile    8-15
Group Events    8-16
Lists    8-17
Notes    8-18
Extending WebCenter Spaces    8-19
Skins    8-20
Application Templates/Chrome    8-21
Customizing the Resource Catalog    8-22
WebCenter Spaces APIs    8-23
Summary    8-24

Appendix A: Practices and Solutions

Appendix B: Common Tasks